

Title (en)

Imaging element and method for making lithographic printing plates according to the silver salt diffusion transfer process

Title (de)

Bildelement und Verfahren zur Herstellung lithographischen Druckplatten nach dem Silbersalz-Diffusionsübertragungsverfahren

Title (fr)

Élément formateur d'image et méthode de fabrication de plaques d'impression lithographiques obtenues par le procédé de diffusion-transfert

Publication

EP 0750227 B1 19990922 (EN)

Application

EP 95201713 A 19950623

Priority

EP 95201713 A 19950623

Abstract (en)

[origin: EP0750227A1] The present invention provides an imaging element comprising in the order given on a hydrophilic surface of a support (i) an image receiving layer containing physical development nuclei, (ii) a photosensitive layer containing a silver halide emulsion being in water permeable relationship with said image receiving layer and (iii) an intermediate layer between said image receiving layer and said photosensitive layer, characterized in that said intermediate layer comprises particles of an alkali insoluble non-polymeric organic compound having a melting point of at least 50 DEG C, said particles having a number average size between 0.1 μ m and 10 μ m. According to the present invention there is also provided a method for making an offset printing plate according to the silver salt diffusion transfer process by using said imaging element<+>.

IPC 1-7

G03C 8/06; G03C 8/28; G03F 7/07

IPC 8 full level

G03C 8/06 (2006.01); **G03C 8/28** (2006.01); **G03F 7/07** (2006.01)

CPC (source: EP US)

G03C 8/06 (2013.01 - EP US); **G03C 8/28** (2013.01 - EP US); **G03F 7/07** (2013.01 - EP US)

Cited by

EP0791858A1; EP0779554A1; EP0790532A1

Designated contracting state (EPC)

BE DE FR GB NL

DOCDB simple family (publication)

EP 0750227 A1 19961227; **EP 0750227 B1 19990922**; DE 69512392 D1 19991028; DE 69512392 T2 20000413; US 5612166 A 19970318

DOCDB simple family (application)

EP 95201713 A 19950623; DE 69512392 T 19950623; US 66000496 A 19960603